

First Hit    Fwd Refs  

L2: Entry 2 of 5

File: USPT

May 16, 2000

DOCUMENT-IDENTIFIER: US 6063910 A

TITLE: Preparation of protein microparticles by supercritical fluid precipitation

Brief Summary Text (9):

Chang and Randolph, Solvent Expansion and Solute Solubility Predictions in Gas-Expanded Liquids, AIChE Journal, June 1990, Vol. 36, No. 6, pp 939-942 disclose using gas antisolvent addition for liquid phase precipitation of solids. This process was also disclosed by Gallagher et al., Gas (Gas Antisolvent) Recrystallization: A New Process to Recrystallize Compounds Insoluble in Supercritical Fluids, Am. Chem. Soc. Symp. Ser., No. 406 (1989).

Other Reference Publication (3):

Chang & Randolph, Solvent Expansion and Solute Solubility Predictions in Gas-Expanded Liquids, AICHE Journal, Jun. 1990, vol. 36, No. 6, pp. 939-942.

First Hit    Fwd Refs  

L2: Entry 4 of 5

File: USPT

Mar 10, 1998

DOCUMENT-IDENTIFIER: US 5725836 A

\*\* See image for Certificate of Correction \*\*

TITLE: Method of forming particles using a supercritical fluid, aerogel particles formed thereby, and antiperspirants containing aerogel particles

Other Reference Publication (1):

C.J. Chang et al., "Solvent Expansion and Solute Solubility Predictions in Gas-Expanded Liquids", AIChE Journal, vol. 36, No. 6, Jun. 1990, pp. 939-942.

TP1.A3

First Hit    Fwd Refs    **Generate Collection**    **Print**

L11: Entry 15 of 58

File: USPT

Feb 9, 1988

DOCUMENT-IDENTIFIER: US 4724087 A

TITLE: Device for carrying out extraction-separation-cracking processes by supercritical fluids

Brief Summary Text (33):

However although the principle is extremely simple, its application raises a problem. In fact, a quasi-adiabatic and non isotherm expansion of the solvent is carried out in the expansion member, which provokes the formation of a mist consisting on the one hand of a phase constituted by the expanded solvent in the sub-critical gas state or the supercritical fluid of low density and, on the other hand, a liquid phase constituted by droplets of solvent containing the greatest part of the extract of which the solubility in the first phase of low density is low.

us20020045-347

6734 112